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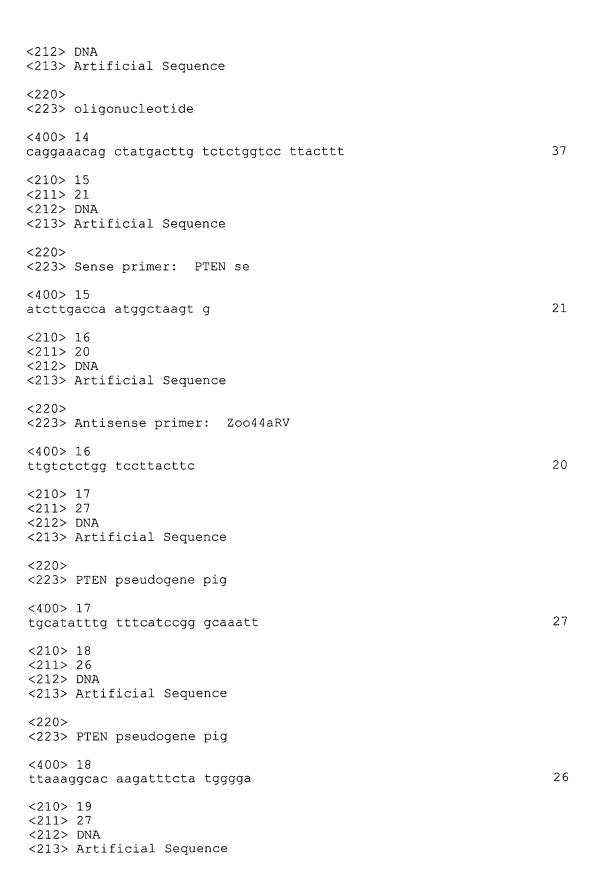
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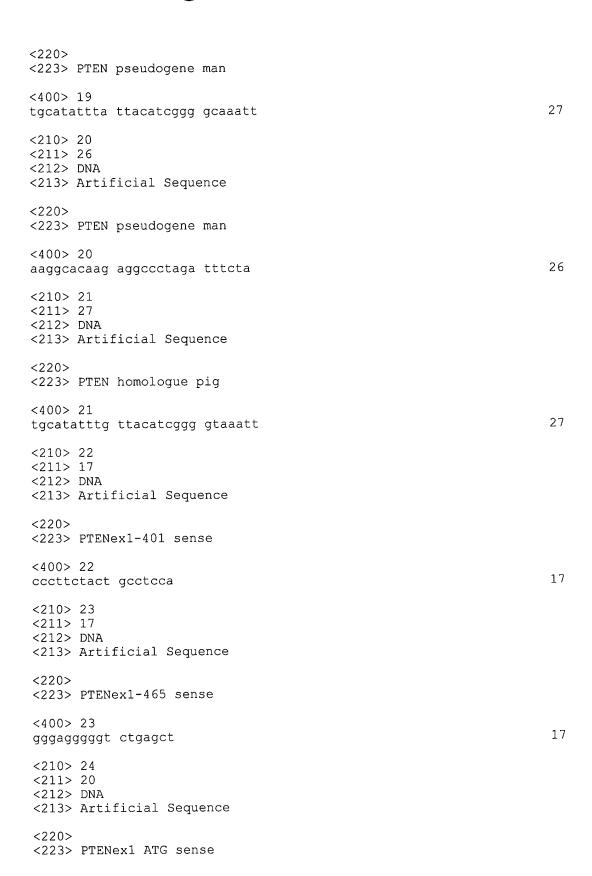
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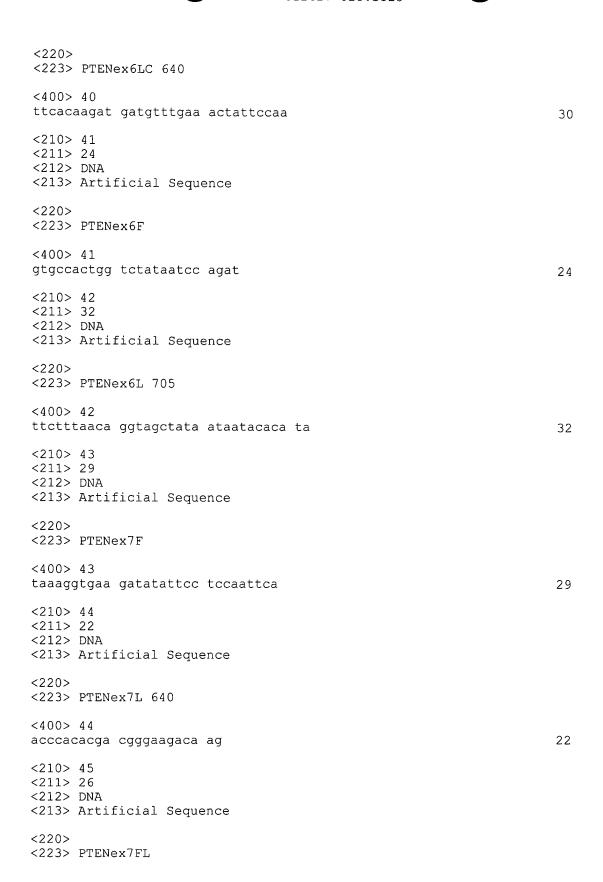




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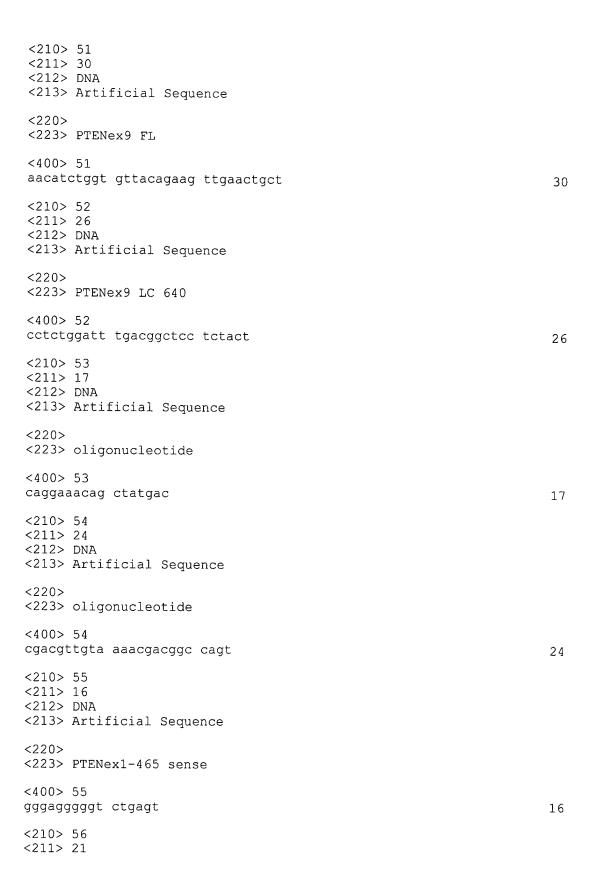
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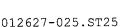
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<222> (1)...(58)
<223> n = A, T, C or G
<400> 93
ttattgctat ggggtttcct gcagaaagac ttgaaggcgt atannggaac aatattga
                                                                    58
<210> 94
<211> 65
<212> DNA
<213> Goitred gazelle
<400> 94
ccaaacatta ttgctatggg gtttcctgca gaaagacttg aaggcgtata caggaacaat 60
attga
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<210> 95
<211> 64
<212> DNA
<213> Horse
<400> 95
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gatg
<210> 96
<211> 67
<212> DNA
<213> Dog
<220>
<221> misc_feature
<222> (1)...(67)
<223> n = A, T, C or G
<400> 96
ttccaaacat tattgctatn gggtttcctg cagaaagact tgaaggcgta tacnggaaca 60
atattga
<210> 97
<211> 65
<212> DNA
<213> Sun bear
<220>
<221> misc_feature
<222> (1) ... (65)
```

```
<223> n = A, T, C or G
<400> 97
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tattg
<210> 98
<211> 62
<212> DNA
<213> Rabbit
<400> 98
gctatgggat ttcctgcaga aagacttgaa ggcgtataca ggaacaatat tgatgatgta 60
<210> 99
<211> 59
<212> DNA
<213> Hare
<400> 99
acattattgc tatgggattt cctgcagaaa gacttgaagg cgtatacagg aacaatatt 59
<210> 100
<211> 48
<212> DNA
<213> Antelope
<400> 100
ttgctatggg gtttcctgca gaaagacttg aaggcgtata caggaaca
                                                                    48
<210> 101
<211> 77
<212> DNA
<213> Turkey
<400> 101
tttatccaaa cattattgct atgggttttc ctgcggagag gcttgaagga gtataccgga 60
acaatattga tgatgta
<210> 102
<211> 73
<212> DNA
<213> Chicken
<400> 102
atttatccaa acattattgc tatgggtttt cctgcggaga ggcttgaagg agtataccgg 60
                                                                    73
aacaatattg atg
<210> 103
<211> 61
<212> DNA
<213> Duck
<400> 103
ttattgctat gggttttcct gcagagagc ttgaaggagt gtaccggaac aatattgatg 60
```

```
<210> 104
<211> 62
<212> DNA
<213> Quail
<400> 104
cattattgct atgggttttc ctgcggagag gcttgaagga gtataccgga acaatattga 60
<210> 105
<211> 73
<212> DNA
<213> Goose
<400> 105
tttatccaaa cattattgct atgggttttc ctgcagagag gcttgaagga gtgtaccgga 60
acaatattga tga
                                                                    73
<210> 106
<211> 66
<212> DNA
<213> Ostrich
<400> 106
ccaaacatta ttgctatggg ttttccggcg gagaggcttg aaggagtgta ccggaacaat 60
attgat
<210> 107
<211> 59
<212> DNA
<213> Pigeon
cattattgct atgggttttc ctgcggagag gcttgaagga gtataccgga acaatattg 59
<210> 108
<211> 60
<212> DNA
<213> Varan
<400> 108
cattattgct atgggttttc ctgcggagag gcttgaagga gtataccgga acaatattga 60
<210> 109
<211> 21
<212> DNA
<213> Artificial Sequence
<220>
<223> Zoo43sUV
<400> 109
tgtgctgaga gacattatga c
                                                                   21
<210> 110
<211> 20
```



rza D91701



```
<212> DNA
<213> Artificial Sequence
<220>
<223> Zoo44aRV
<400> 110
                                                                   20
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<210> 111
<211> 654
<212> DNA
<213> Man
<400> 111
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agatacatat ttaagaatta totttaaaaa tttcaaaaat tttaatttta ctgttgtgtt 180
ttaggaaaaa gtattgcata aagctattaa tattgtcagg aagactaaag tgcagcatag 240
actaagaatt aggaaaattc ctagactaaa aatagtataa ggagagggtt tacctactat 300
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ctgatggatg agaggagga actgctttaa atgagtttct acttcagaca taagttaatt 480
ctcagagccc acaaaaactt tcacttttat ttgtgaaata caactcagtt ctcatggctt 540
aacactttaa accatgagaa aactgaagag ttgagagctt ggcagatgct gctgtgatag 600
tcaaaagaaa gtgggtgcat gagctactat tgatgtattt gccatggtcc ctcc
<210> 112
<211> 582
<212> DNA
<213> Dog
<400> 112
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tgctgcaaca tgattgtcat cttcacttag ccattggtca agatcttcac aaaagggttt 120
gataagttct agctgtggtg gattatggtc ttcaaaagga tactgtgcaa ctgtggtaaa 180
aagataacct cagaattaga aaaaagtctt tcctgaactg tttattaaaa gtaggttaac 240
tttagaaaca ttgcatgtaa gcttaacaga tgtttaaaag aaaaacggaa ctccagagaa 300
aaataatttg ctgtctgata attttccaat ttttgaatag aaaatagtct ctcattaatt 360
cttaaaccta ccactadgag agagaggcta agcattattt tcccccactt taatgaaaga 420
ggaaactttg caatggagag ggagcacacg tcaacatatc agagggaaga ggcaaactca 480
aaatgaaatg gcacacaggt ttcctgtcag ggctctcaat gcattttctg acaaaaggag 540
                                                                    582
tcataatatt tataatacta cgtcatccaa aatatatatt cc
 <210> 113
 <211> 376
 <212> DNA
 <213> Cattle
 <220>
 <221> misc_feature
 <222> (1)...(376)
 <223> n = A, T, C \text{ or } G
 <400> 113
 taggtacaca tattgtgtta gataacttga agccaacagt ctaaatttta ctgtcatacc 60
 aataatgaat aatotcaagt attaagtgat atatttatot taaagatggt otgagaaaat 120
```

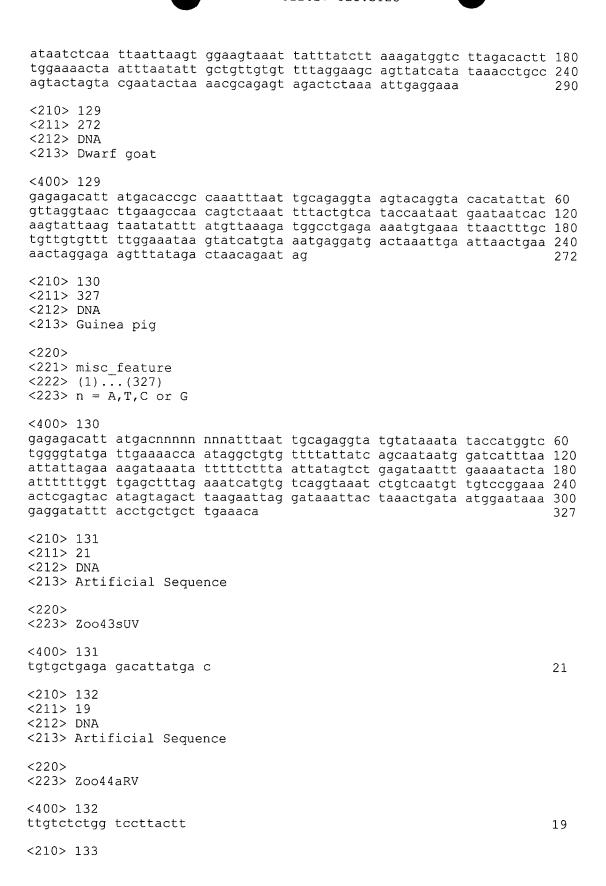
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tnaaaaggag cctgaa
<210> 114
<211> 673
<212> DNA
<213> Mouse
<400> 114
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ataaaaaatct taagaatggc ctttgacaat taaaaaaagt gtatttaatg ttagagttgt 180
tctttaagac ctatctattg tcaggaaaac taaatcacag aatacttgga gaggtcccaa 240
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gctcattagg aaacatgcca tggttgaagg tcacttagct ttaaatgtac attttaacag 540
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tggttaagta aaagctggcc tgcagcctct tggtgaatgt agtttgccat tgtttaccac 660
agagetttee tgt
<210> 115
<211> 411
<212> DNA
<213> Horse
<400> 115
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gtaatgaata ctcttgatta ttaagtgaga taaatattta tcttaaaaag ataatcttag 120
aaaatttgaa aaataaattt aactttgctg ttgtatttta gaaaacaagt atcatataaa 180
ccaactggta gtattaggaa gactaaattg aagaatagac taagaattag gatgtaatag 240
taagagattg catggagaaa gcagaacgac ttaactctgg caaggagcgt gacctaaaag 300
gtggaaaagg gtataacaga tgtggataca aggagcctga acagatgaga gcagggaact 360
gcttcaaatg agttcttttc caagtatagt aaattgtttc tcagagccca c
<210> 116
<211> 566
<212> DNA
<213> Sheep
<220>
<221> misc feature
<222> (1)...(566)
<223> n = A, T, C or G
<400> 116
aaaaatttgc nnnngatgta acaaatatgc acaaatcatt acaccagttc gtccctttcc 60
agctttacag tgaattgctg caacatgatt gtcatcttca cttagccatt ggtcaagatc 120
ttcacaaaag ggtttgataa gttctaactg ttggtggatt atggtcttca aagggatact 180
gtgcaactgt gataaaaaga taaccgcaga tatatgaaaa taatctcact tgaattgctt 240
attacaagta ggctaacttt agaaatgttg catacaaata gtttaaaaaat gtctgaacta 300
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attaactcaa atttatccat tcgacaggta agacaagtat tatttcctca ctctatgatg 420
```

```
gaggcaatgg aggagcaaca tatcagaggt cacaacataa cggaggaaga ggcaaactca 480
gaatgaaacg tcgcacgagc ctcttagcag ggctctcaat acgttcctag caaaagggac 540
tggtaacatc tataatatcg cattat
<210> 117
<211> 497
<212> DNA
<213> Turkey
<400> 117
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getgaattee cetektteet eccaceteet etgaacaaat ggaggttetg acagagtgga 120
gagattaatt cagaatatgt gtgcacagta cacctggcag accccacaaa gcttggctca 180
aagaacaaag atgaaacaaa ggcatgaata gagcagtaga aggatttaca aaaggacaaa 240
agatgggcag ccatttaaag gtgacagtaa tttcttaagt aaatgtcaaa actcttcaaa 300
gaagcaaggg ggataatatt catgaatact taaggctgaa acgtgaacat gttgatttgc 360
catttggaag gttatgtttc cttcttatct cctctctgat agcttcaata atgggcacta 420
aaattcgttc ctgaaaaaat gcaaagaaat cactcagtgt ctgaggacgt gttgatttca 480
catgtattga aatcagt
<210> 118
<211> 365
<212> DNA
<213> Trout
<220>
<221> misc feature
<222> (1) ... (365)
<223> n = A, T, C or G
<400> 118
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tatcactgtc tttcaggcag tcagtgaatg aatcaatctt tcactaaaaa cccacgtgtg 120
acgctaacta actgagcccg gtctctgtct gtctctctcc agttgcacaa tatccgtttg 180
aggatcacaa tccgccccag ctggagctga tcaaaccgtt ctgcgaagat cttggccttt 240
ggttaagtga agacgacaat catgtggcgg cgattcactk taaarctgga aaggacgtac 300
gggtgtcatg atctgtgctt acctgttaca ccggggcaag ttcctcaaag cacaagaagc 360
tctcg
<210> 119
<211> 656
<212> DNA
<213> Roe deer
<400> 119
gtataggtac acttactatg ttagataact tgaggccaac agtctaaatt ttactatcat 60
accagtaatg aataatctca agtattaagt gatacagtca tcttaaagat gatcttagaa 120
aatttgaaat taattttgct gttgtgtttt tggaaacaag tgtcatgtaa atgagggaga 180
ctaaactgaa ttaactgaaa actaggagaa atttatagac tgacagaata aagaaagggt 240
tatatctgtg atttgaggca tttggcgtaa tagtaagaga ttacagggag aaaggagaat 300
gatttaattc tataatggaa catgacctgc acagtggaaa aagggtataa tgaaatataa 360
awaaaaggag cctgatagat gagagcaaga actgctttaa gtgaattttt ctccaggtat 420
agtatatttt atctcagagt ccacaaatac tttcatttgt ttttgtggaa ctcttagaac 480
gacgagagac caggaacatt gagaagctaa tatatttgcc attgttcctt cctaaatatt 540
tagcacaggc tttcaaacag ttggtttaag aattcagaag tgctaataac tgagagcaag 600
ggtagattta ttactaagaa tgtttcattt ttggtggatt ttgctatttc tggtca
```

```
<210> 120
<211> 405
<212> DNA
<213> Deer
<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G
<400> 120
gtataggtac actttnnaag ccaacagtct aaattttact gtcataccaa taatgaataa 60
tctcaagtat taagtgatat atttatctta aagatgatct tagaaaattt gaaactaatt 120
ttgctgttgt gtttttggaa acaagtgtca tgtaaatgag ggagaccata actgaattaa 180
ctqaaaactg ggaaaaattt atagactaac agaataaaga aagggttata tctgtggttt 240
gaggcgtttg acgtaatagt aagagattac agggagaaag gagaatgact taattctata 300
atggaacacg acctgcacag tggaaaaagg gtataatkaa atgtagataa aggagcctga 360
tagttgagag caagaactgc tttaagtgag tttttctcca ggtgt
<210> 121
<211> 522
<212> DNA
<213> Chimpanzee
<220>
<221> misc feature
<222> (1)...(522)
<223> n = A,T,C or G
<400> 121
cattatgacn nnnnnnnnn nnattgcaga ggtaggtatg aatgtactgt actatgttgt 60
ataacttaaa cccgatagac tgtatcttac tgtcataaca ataatgagtc atctagatta 120
tcgagtgaga tacatattta tcttaagaat tatctttaaa aatttcaaaa attttaattt 180
tactcttgtg ttttaggaaa aaagtattgc ataaagctat taatattgtc aggaagacta 240
aaqtgcaqca tagactaaga atgaggaaaa ttcctagact nnaatagtat aaggagaggg 300
tttacctact atttgaggca gttggtctaa tagtaagcaa tcacagggag aaagcagaac 360
tacttaactc ttctgtgttg aggaatgaca taaaaggtag gaaggatata acaaatgttg 420
ataagaggag totgatggat gagaggaggg aactgottta aatgagttot acttoagaca 480
tadgttaatt ctcagagccc acaaaacttt cacttttatt tg
<210> 122
<211> 666
<212> DNA
<213> Gorilla
<220>
<221> misc feature
<222> (1)...(666)
<223> n = A, T, C or G
<400> 122
cattatgacn nnnnnnatt taattgcaga ggtaggtatg aatgtdctgt actatgttgt 60
ataacttaaa cccgatagac tgtatcttac tgtcataaca ataatgagtc atctagatta 120
tcgagtgaga tacatattta tcttaagaat tatctttaaa aatttcaaaa attttaattt 180
tactcttgtg ttttaggaaa aaagtattgc ataaagctat taatattgtc aggaagacta 240
aagtgcagca tagactaaga atgaggaaaa ttcctagact nnnaatagta taaggagagg 300
gtttacctac tatttgaggc agttggtcta atagtaagca atcacaggga gaaagcagaa 360
```

```
ctacttaact cttctgtgtt gaggaatgac ataaaaggta ggraaggata taacaaatgt 420
tgataagagg rgtctgatgg atgagaggag ggaactgctt taaatgagtt ctacttcaga 480
cataagttaa ttctcagagc ccacaaaaac tttcactttt atttgtgaaa tgcaactcag 540
ttctcatggc ttaacacttt aamccatgag agactgaaga gttgagaagc ttggcagatg 600
ctgctgtgat agtcaaaaag aaagtgggtg ccatgagcta ctattgatgt atttgccatt 660
gatccc
<210> 123
<211> 741
<212> DNA
<213> Orang-utan
<220>
<221> misc feature
<222> (1)...(741)
<223> n = A,T,C or G
<400> 123
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ataacttaaa cacaatagac tgtatcttac tgtcataaca ataatgactc atctagatta 120
ttgagtgaga tacatattta tcttaagawt tatcttaaaa aatttcagaa aatttaattt 180
tactgttgtg ttttaggaaa aacgtattgc ataaagctat taatattgtc aggaaaagtg 240
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gaggagcctg atggatgaga ggagggaact gctttaaatg agttctactt cagacataag 480
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cggcttaaca ctttaaacca tgagagaact gaagagttga gaagcttggc agatgcttct 600
gtgatagtca aaaagaaagt gggtgccatg agctactatt gatgtatttg ccattgatcc 660
cycctgaaaa tctagaatgg actttcagac aaatggtttg aaaatcctaa atcactaatg 720
attgggattt agtatagatt c
                                                                   741
<210> 124
<211> 608
<212> DNA
<213> Orang-utan
<220>
<221> misc feature
<222> (1)...(608)
<223> n = A, T, C or G
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ataacttaaa cacaatagac tgtatcttac tgtcataaca ataatgactc atctagatta 120
ttgagtgaga tacatattta tcttaagaat tatcttaaaa datttcagaa aatttaattt 180
tactgttgtg ttttaggaaa aacgtattgc ataaagctat taatattgtc aggaaaagtg 240
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aactcttctg tgttgaggaa tgacatgaaa ggtaggaaag gatataacaa atgctgataa 420
gaggagcctg atggatgaga ggagggaact gctttaaatg agttctactt cagacataag 480
ttaattotca gagocacaaa aactttoact ttoatttgtg aaatacaact cagttotcac 540
ggcttaacac tttaacccat ggagagacct gaagagttgg agaagcttgg cagatgcttc 600
tgtgatag
<210> 125
<211> 402
```

```
<212> DNA
<213> Banting cattle
<400> 125
gagagacatt atgacaccgc caaatttaat tgcagaggta agtataggta cacatattat 60
qttagataac ttgaagccaa cagtctaaat tttactgtca taccaataat gaataatctc 120
aaqtattaaq tgatatattt atcttaaaga tggtctgaga aaatttgaaa ttaattttgc 180
tgttgtgttt ttggaaataa gtatcatgta aatgaggaag actaaattga attaactgaa 240
aactaggaga aatttataga ctaacagaat aaatagaggg ttatatctgt gatttgaggc 300
atttggcatg atagtaagag attacaggga gaaaggagaa tggcttaatt ctgtaatgga 360
acatgacctg tacagtggaa aagggtataa tgaaatatgg at
<210> 126
<211> 479
<212> DNA
<213> Indian elephant
<220>
<221> misc feature
<222> (1)...(479)
<223> n = A, T, C or G
<400> 126
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gtataactta aaaccaaaag totaaatatt actgccatag caatagtgaa tattctagat 120
tattaagtaa gataaatatt tatcttaagg atggtcttaa aaatttgagg gaaataaatt 180
taattttaat attatgtttt agaacaagta tcccataacc ctatgagtaa tgtcgtgaag 240
accaaaataa agaataggct aagaattagg agaaattcct aggataagaa taaaataagg 300
aaggggggca tgcctagtgt ttgaggcagt tggtgtaata ctaagagatt atatggagaa 360
agcaggacta ctcaattctt ctctatcaaa gagaataacc taaagggtgg aaaagagtat 420
aacaaatqtq qataagagga gcttqagaac gagagtgggg agatgcttta aatgagctc 479
<210> 127
<211> 284
<212> DNA
<213> Fishing cat
<400> 127
gagagacatt atgacaccgc caaatttaac tgcagaggta ggtattaaht gcagagtaat 60
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taatctcatt attaagtgag ataaatattt atcttcaaga tggtcttaaa aaatttgcaa 180
aacaaattta attttgctgt tgtgttttgg gaagcaagta tcctataaac ctgccggtac 240
taactagtag gaagactaat cccagagtag actaagaatt tgga
                                                                   284
<210> 128
<211> 290
<212> DNA
<213> Sun bear
<220>
<221> misc feature
<222> (1)...(290)
<223> n = A, T, C \text{ or } G
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gtatttatgt tgtataactt aaaaccagta gaccaaatct tactatcata gcagtaatga 120
```



```
<211> 281
<212> DNA
<213> Man
<400> 133
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tgaattgctg caacatgatt gtcatcttca cttagccatt ggtcaagatc ttcacaaaag 180
ggtttgataa gttctagctg tggtgggtta tggtcttcaa aaggatattg cgcaactctg 240
taattagatt tggcggtgtc ataatgtctc tcagcacaac t
<210> 134
<211> 271
<212> DNA
<213> Chimpanzee
<400> 134
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taataaatat gcataaatca ttataccagt tcgtcccttt ccagctttac agtgaattgc 120
tgcaacatga ttgtcatctt cacttagcca tcggtcaaga tcttcacaaa agggtttgat 180
aagttctagc tgtggtgggt tatggtcttc aaaaggatat tgcgcaactc tgtaattaga 240
tttggcggtg tcataatgtc tctcagcaca a
<210> 135
<211> 271
<212> DNA
<213> Oran-utan
<220>
<221> misc feature
<222> (1)...(271)
<223> n = A,T,C or G
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gtaataaata tgcacaaatc attacaccag ttcgtccctt tccagcttta cagtgaattg 120
ctgcaacatg attgtcatct tcacttagcc attggtcaag atcttcacaa aagggtttga 180
taagttctag ctgtggtggg ttatggtctt caaaaggata ttgtgcaact nnnnnnnnn 240
nnnnnnnnn gtcataatgt ctctcagcac a
<210> 136
<211> 268
<212> DNA
<213> Gorilla
<400> 136
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gctgcaacat gattgtcatc ttcacttagc cattggtcaa gatcttcaca aaagggtttg 180
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<213> Domestic pig
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## 09936738 .091701

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acatgattgt catcttcact tagccattgg tcaagatctt cacaaaaagg tttgataaat 180
tctagctgtg gtggattatg atcttcaaaa ggatactgtg caactctgca gttaaatgtg 240
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<213> Wild boar
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acatgattgt catcttcact tagccattgg tcaagatctt cacaaaaagg tttgataaat 180
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<213> SPL5 senseArtificial Sequence
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 <220>
 <223> Zoo44aRV antisense
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 ggtttgataa gttctagctg tggtgggtta tggtcttcaa aaggatattg tgcaactgtg 240
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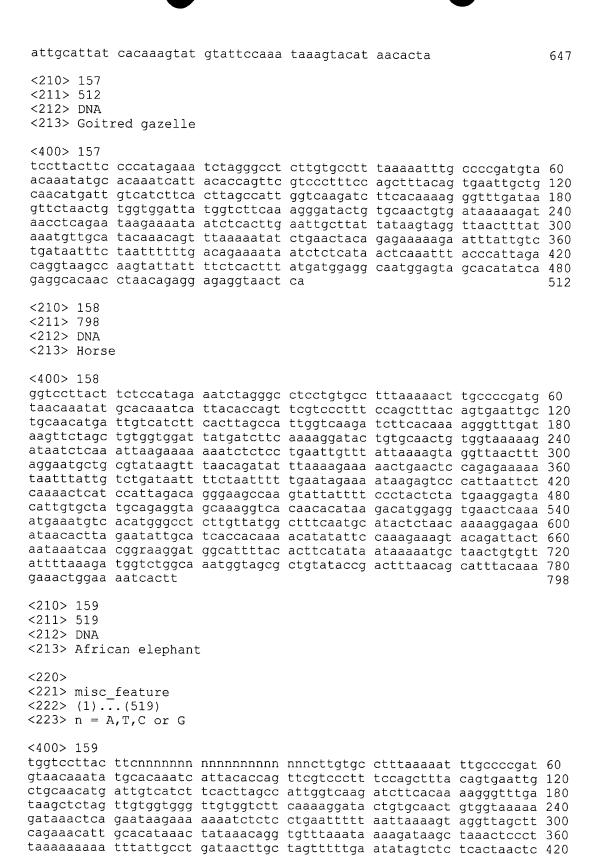
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<211> 593
<212> DNA
<213> Chimpanzee
<220>
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<223> n = A,T,C or G
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<210> 144
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<213> Orang-utan
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tgattgtcat cttcacttag ccattggtca agatcttcac aaaagggttt gataagttct 180
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```
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tgcttaactt tctaattgtt aaatagaaaa tagtctcttg ataagtctta aatataatca 420
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<213> Gorilla
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<211> 556
<212> DNA
<213> Domestic pig
<400> 147
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<213> Cattle
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attgcattat cacaaaatat gtattccaaa gaaagcaaag atcctaataa atcacaatgc 660
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<210> 150
<211> 708
<212> DNA
<213> Banting cattle
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<213> Sheep
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<213> Bighorn
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  <213> Roe deer
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<221> misc feature
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<212> DNA
<213> Sun bear
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<221> misc feature
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ggataacctc agaattagaa aaaagtcttt cctgaattgt ttattaaaga aggttaactt 300
taatttqctq cctqacaatt tacqaatttt tqaataqaaa acaqtctctc attaattctt 420
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aactttgcta tggagaggta gcacaagtca catatcagag ggagaggcaa attcnaaatg 540
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<211> 536
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<213> Mouse
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catggaaaca agcattgtgc tcttcactcc agggaggatg aatctgtgca tgaagggaac 480
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<211> 696
<212> DNA
<213> Guinea pig
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tgattgtcat cttcacttag ccattggtca agatcttcac aaaagggttt gataagttct 180
aactgtggtg gattatggtc ttcaaaggga tactgtgcaa ctgtgataaa aagataaccg 240
cagaataaga aaataatctc acttgaattg cttattacaa gtaggttaac tttagaaatg 300
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attttctaat tttgaacaga aaataatctc tcattaactc aaatttatcc attcgacagg 420
taagacaagt attottttcc tcactctatg atggaggcaa tggaggagca acatatcaga 480
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<211> 281
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<213> Human
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aacatgattg tcatcttcac ttagccattg gtcaagatct tcacaaaagg gtttgatcag 180
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<210> 167
<211> 373
<212> DNA
<213> Vikunja
<220>
<221> misc feature
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ttctagctgt ggtggattat ggtcttcaaa aggatactgt gcaactgtgg ttaaaaaaaa 240
agaaaagaaa aaaagaacct cagaataaga aaaaaaatct cccctgaact gcttattaaa 300
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 <211> 291
 <212> DNA
 <213> Spotted mustang
 <220>
 <221> misc feature
 <222> (1)...(291)
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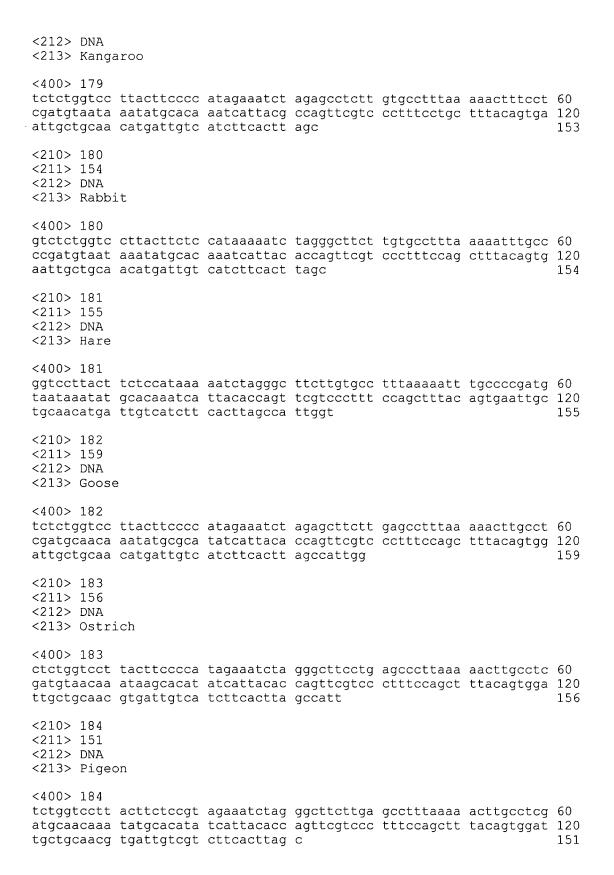
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<211> 598
<212> DNA
<213> Fishing cat
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 gatgtaataa atatgcacat atcattacac cagttcgtcc ctttccagct ttacagtgga 120
 ttgctgcaac atgattgtca tcttcactta gccattggtc aagatcttca caaaanggtt 180
 tgataagctc taactgtggt gggttatggt cttcaaaagg
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 <212> DNA
 <213> Cockerel
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 <221> misc_feature
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 tgctgcaaca tgattgtcat cttcacttag ccattggtca agatcttcac aaaaaggttt 180
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 tacacgcaac tttgattctg ctgttattca gtaacattgc acactaaatg catcacaaat 420
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cagactctat tttacactat ttttctgaaa tttaagagtg cactggcaca aagaataacc 540
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<212> DNA
<213> Quail
<220>
<221> misc feature
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<223> n = A, T, C or G
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gttgttattc agcagcatat tacacactat aaatgcatca catgtttctc tagtaatacg 360
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<211> 395
<212> DNA
<213> Trout
<220>
<221> misc feature
<222> (1)...(395)
<223> n = A, T, C or G
<400> 174
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# 

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|---|----------------------------|
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| <220><br><223> PTENse sense   |                            |
| <400> 175<br>atcttgacca atggctaagt g  | 21                         |
| <210> 176<br><211> 20<br><212> DNA<br><213> Artificial Sequence   |                            |
| <220><br><223> Zoo44aRV   |                            |
| <400> 176<br>ttgtctctgg tccttacttc  | 20                         |
| <210> 177<br><211> 160<br><212> DNA<br><213> Goat   |                            |
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| <220> <221> misc_feature <222> (1)(150) <223> n = A,T,C or G  |                            |
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| <210> 179<br><211> 153  |                            |



| <210> 185<br><211> 163<br><212> DNA<br><213> Varan  |                  |
|---|------------------|
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| <210> 186<br><211> 160<br><212> DNA<br><213> Trout  |                  |
| <400> 186 tctggtcctt acttcaccgt agaagtccag agcttcctgt gctttgagga acttgccccg gtgtaacagg taagcacaga tcatgacacc cgtacgtccc tttccagctt tacagtgaat cgccgccacg tgattgtcgt cctcacttag ccattggtca     | 60<br>120<br>160 |
| <210> 187<br><211> 23<br><212> DNA<br><213> Artificial Sequence   |                  |
| <220><br><223> PTENex6F sense   |                  |
| <400> 187<br>ggagtaacta ttcccagtca gag  | 23               |
| <210> 188<br><211> 18<br><212> DNA<br><213> Artificial Sequence   |                  |
| <220><br><223> PTENex6R antisense   |                  |
| <400> 188<br>gcaagttccg ccactgaa  | 18               |
| <210> 189<br><211> 138<br><212> DNA<br><213> Man  |                  |
| <400> 189 ggagtaacta ttcccagtca gaggcgctat gtgtattayt atagctacct gktaaagaat catctggatt atagaccagt ggcactgttg tttcacaaga tgatgtttga aactattcca atgttcagtg gcggaact                             | 60<br>120<br>138 |
| <210> 190<br><211> 131<br><212> DNA<br><213> Chimpanzoo   |                  |

| <400> 190<br>ctattcccag<br>attatagacc<br>gtggcggaac | tcagaggcgc<br>agtggcactg<br>t | tatgtgtatt<br>ttgtttcaca | attatagcta<br>agatgatgtt | cctgttaaag<br>tgaaactatt | aatcatctgg<br>ccaatgttca | 60<br>120<br>131 |
|---|-------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------|
| <210> 191<br><211> 128<br><212> DNA<br><213> Cattl  | Le                            |                          |                          |                          |                          |                  |
|   | gaggcgctat<br>ggcactgttg      |                          |                          |                          |                          | 60<br>120<br>128 |
| <210> 192<br><211> 128<br><212> DNA<br><213> Sheep  | o o                           |                          |                          |                          |                          |                  |
|   | gaggcgctat<br>ggcactgttg      |                          |                          |                          |                          | 60<br>120<br>128 |
| <210> 193<br><211> 126<br><212> DNA<br><213> Goat   |                               |                          |                          |                          |                          |                  |
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| <210> 194<br><211> 131<br><212> DNA<br><213> Red 1  | ouffalo                       |                          |                          |                          |                          |                  |
|   | ccagtcagag<br>gaccagtggc<br>g |                          |                          |                          |                          |                  |
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| <210> 196<br><211> 131                              |                               |                          |                          |                          |                          |                  |

| <212> DNA<br><213> Roe d                            | eer                      |                          |                          |                          |                          |                  |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------|
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| <210> 197<br><211> 126<br><212> DNA<br><213> Goitr  | ed gazelle               |                          |                          |                          |                          |                  |
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| <210> 198<br><211> 132<br><212> DNA<br><213> Horse  |                          |                          |                          |                          |                          |                  |
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| <210> 199<br><211> 125<br><212> DNA<br><213> Dog    |                          |                          |                          |                          |                          |                  |
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| <210> 200<br><211> 129<br><212> DNA<br><213> Sun k  | pear                     |                          |                          |                          |                          |                  |
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| <210> 201<br><211> 128<br><212> DNA<br><213> Rabbi  | it                       |                          |                          |                          |                          |                  |
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| < | <210> 202<br><211> 128<br><212> DNA<br><213> Hare   |                                 |                          |                          |                          |                          |                  |
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| • | <210> 203<br><211> 127<br><212> DNA<br><213> Antel  | Lope                            |                          |                          |                          |                          |                  |
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|   | <210> 204<br><211> 127<br><212> DNA<br><213> Kanga  | aroo                            |                          |                          |                          |                          |                  |
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|   | <210> 205<br><211> 133<br><212> DNA<br><213> Pyth   | on                              |                          |                          |                          |                          |                  |
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|   | <210> 206<br><211> 132<br><212> DNA<br><213> Vara   | n                               |                          |                          |                          |                          |                  |
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|   | <210> 207<br><211> 132<br><212> DNA<br><213> Turk   | сеу                             |                          |                          |                          |                          |                  |
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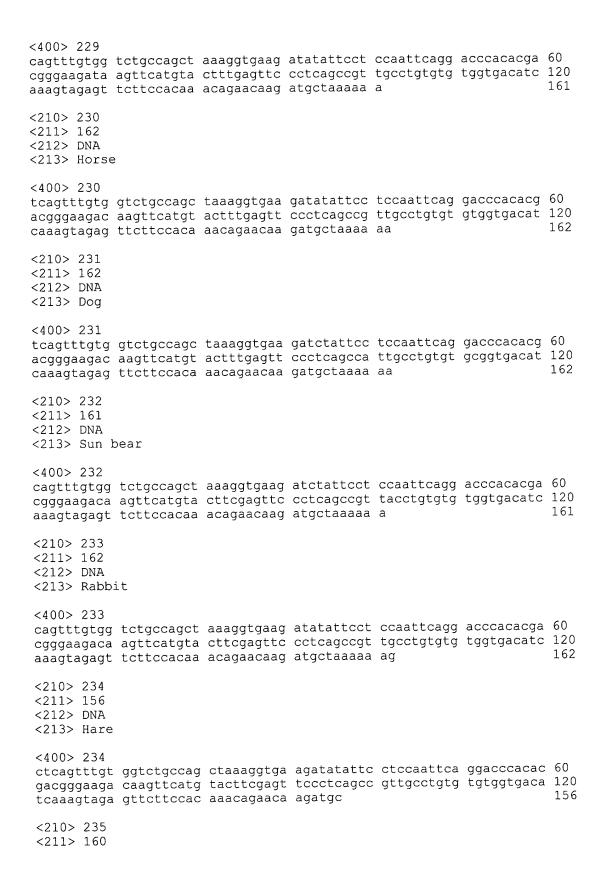
| gattacagac<br>agtggcggaa                           | cagtggcact<br>ct              | gctgtttcac | aagatgatgt | ttgaaacaat | tcccatgttc | 120<br>132       |
|--|-------------------------------|------------|------------|------------|------------|------------------|
| <210> 208<br><211> 124<br><212> DNA<br><213> Chick | ken                           |            |            |            |            |                  |
|  | agacgctacg<br>gcactgctgt      |            |            |            |            | 60<br>120<br>124 |
| <210> 209<br><211> 127<br><212> DNA<br><213> Duck  |                               |            |            |            |            |                  |
|  | agacgctacg<br>gcactgctgt      |            |            |            |            |                  |
| <210> 210<br><211> 131<br><212> DNA<br><213> Quail | L                             |            |            |            |            |                  |
|  | tcagagacgc<br>agtggcactg<br>t |            |            |            |            |                  |
| <210> 211<br><211> 130<br><212> DNA<br><213> Goose | 9                             |            |            |            |            |                  |
|  | cagagacgct<br>gtggcactgc      |            |            |            |            | 60<br>120<br>130 |
| <210> 212<br><211> 128<br><212> DNA<br><213> Ostri | ich                           |            |            |            |            |                  |
|  | agagacgcta<br>tggcactgct      |            |            |            |            |                  |
| <210> 213<br><211> 126<br><212> DNA                | on.                           |            |            |            |            |                  |

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agaccagtgg cactgctgtt tcacaagatg atgtttgaaa caattcccat gttcagtggc 120
ggaact
                                                                    126
<210> 214
<211> 130
<212> DNA
<213> Trout
<220>
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<222> (1)...(130)
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ggcggaactt
<210> 215
<211> 122
<212> DNA
<213> Carp
<400> 215
gtcagaggcg atatgtgtac tactatagct accttctgaa gaataagctg gagtacaaac 60
ctgtggcctt gctctttcac aagatggtgt ttgagacagt gcccatgttc agtggcggaa 120
ct
                                                                    122
<210> 216
<211> 130
<212> DNA
<213> Salmon
<400> 216
tattcccagt cagaggcggt atgtctacta ctacagccac cttctgaaga accagctgga 60
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tggcggaact
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<210> 217
<211> 132
<212> DNA
<213> Wels
<400> 217
actattccca gtcagaggcg atatgtgtac tactatagct accttctgaa gaataagctg 60
gagtacaaac ctgtggcctt gctctttcac aagatggtgt ttgagacagt gcccatgttc 120
agtggcggaa ct
                                                                    132
<210> 218
<211> 129
<212> DNA
<213> Tench
<400> 218
attcccagtc agaggcgata tgtgtactac tatagctacc ttctgaagaa taagctggag 60
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1

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<212> DNA
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                                                                    20
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<211> 25
<212> DNA
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<223> PTENex7R antisense
<400> 220
                                                                    25
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<211> 168
<212> DNA
<213> Man
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<221> misc feature
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cacgacggga agacaagttc atgtaytttg agttccctca gccgttacct gtntgtggtg 120
                                                                    168
atatcaaagt agagttette cacaaacaga acaagatget aaaaaagg
<210> 222
<211> 159
<212> DNA
<213> Chimpanzee
<400> 222
agtttgtggt ctgccagcta aaggtgaaga tatattcctc caattcagga cccacacgac 60
gggaagacaa gttcatgtac tttgagttcc ctcagccgtt acctgtgtgt ggtgatatca 120
                                                                    159
aagtagagtt cttccacaaa cagaacaaga tgctaaaaa
<210> 223
<211> 161
<212> DNA
<213> Cattle
<400> 223
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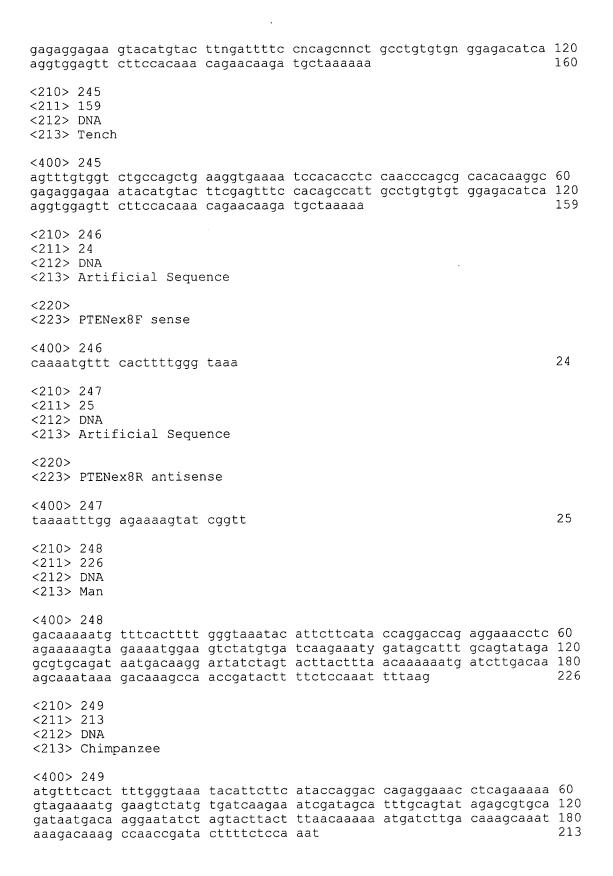
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<213> Sheep
<400> 224
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ggaagacaag ttcatgtact ttgagttccc tcagccgctg cctgtgtgtg gtgacatcaa 120
agtagagttc ttccacaaac agaacaagat gctaaaaaaag
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<211> 161
<212> DNA
<213> Goat
<400> 225
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cgggaagaca agttcatgta ctttgagttc cctcagccgt tgcctgtgtg tggtgacatc 120
aaagtagagt tcttccacaa acagaacaag atgctaaaaa a
<210> 226
<211> 153
<212> DNA
<213> Red buffalo
<400> 226
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gggaagacaa gttcatgtac tttgagttcc ctcagccgtt gcctgtgtgt ggtgacatca 120
aagtagagtt cttccacaaa cagaacaaga tgc
<210> 227
<211> 159
<212> DNA
<213> Deer
<400> 227
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cgggaagaca agttcatgta ctttgagttc cctcagccgt tgcctgtgtg tggtgacatc 120
aaagtagagt tcttccacaa acagaacaag atgctaaaa
                                                                   159
<210> 228
<211> 162
<212> DNA
<213> Roe deer
<400> 228
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cgggaagaca agttcatgta ctttgagttc cctcagccgt tgcctgtgtg tggtgacatc 120
aaagtagagt tcttccacaa acagaacaag atgctaaaaa ag
                                                                   162
<210> 229
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<212> DNA
<213> Goitred gazelle
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<213> Antelope
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<221> misc_feature
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caaaqtagaq ttcttccaca aacagaacaa gatgctaaaa
<210> 236
<211> 163
<212> DNA
<213> Kangaroo
<400> 236
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ggcgggaaga caagcacatg tacttcgagt tcccccagcc tctgccggtg tgtggcgaca 120
ttaaagtgga attcttccac aaacagaaca agatgctaaa aaa
<210> 237
<211> 145
<212> DNA
<213> Turkey
<220>
<221> misc feature
<222> (1)...(145)
<223> n = A, T, C \text{ or } G
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cgtgaagaca aatatatgta cttngaattc cctcaacctt tgccggnata cggtgatatc 120
                                                                    145
aaaqnqqaqt tcttccacaa acaga
<210> 238
<211> 146
<212> DNA
<213> Chicken
<400> 238
cagtttgtgg tctgccagct aaaggtaaag atattcacct ccccttcagg accctcaaga 60
cgtgaagaca agtatatgta ctttgaattc cctcaacctt tgccggtatg cggtgatatc 120
aaagtggagt tcttccacaa acagaa
                                                                    146
<210> 239
<211> 154
<212> DNA
<213> Duck
<400> 239
cagtttqtqq tctqccagct aaaggtaaag atattcacct ccccttcagg accctcaaga 60
cgtgaagaca agtatatgta ctttgaattc cctcaacctt tgccggtatg cggtgatatc 120
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aaagtggtgt ttttccacaa acagaacaag atgc
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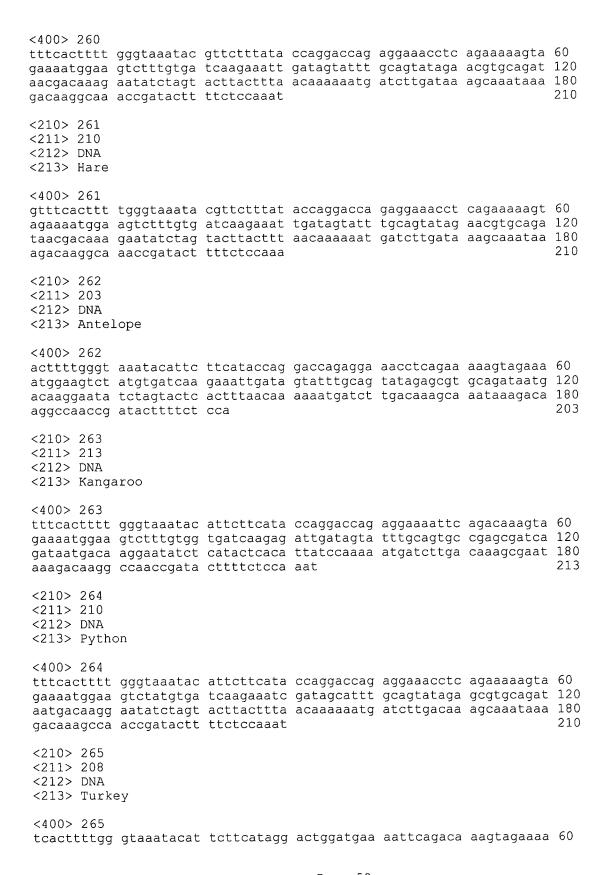
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<213> Quail
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caaagtggag ttcttccaca aacagaacaa gatgctaaaa aag
<210> 241
<211> 160
<212> DNA
<213> Ostrich
<400> 241
qtttgtggtc tgccagctaa aggtaaagat attcacctcc ccttcaggac cctcaagacg 60
tgaagacaag tatatgtact ttgaattccc tcaacccttg ccggtatgcg gtgatatcaa 120
agtggaattc ttccacaaac agaacaagat gctaaaaaag
                                                                   160
<210> 242
<211> 145
<212> DNA
<213> Pigeon
<400> 242
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acqtqaaqac aaqtatatgt actttgaatt ccctcaacct ttgccggtat gcggtgatat 120
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caaagtggaa tttttccaca aacag
<210> 243
<211> 163
<212> DNA
<213> Carp
<220>
<221> misc feature
<222> (1)...(163)
<223> n = A, T, C or G
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gcgagaggag aagtacatgt acttngattt tccncagcnn ctgcctgtgt gnggagacat 120
caaggtggag ttcttccaca aacagaacaa gatgctaaaa aag
                                                                    163
<210> 244
<211> 160
<212> DNA
<213> Wels
<220>
<221> misc_feature
<222> (1)...(160)
<223> n = A, T, C or G
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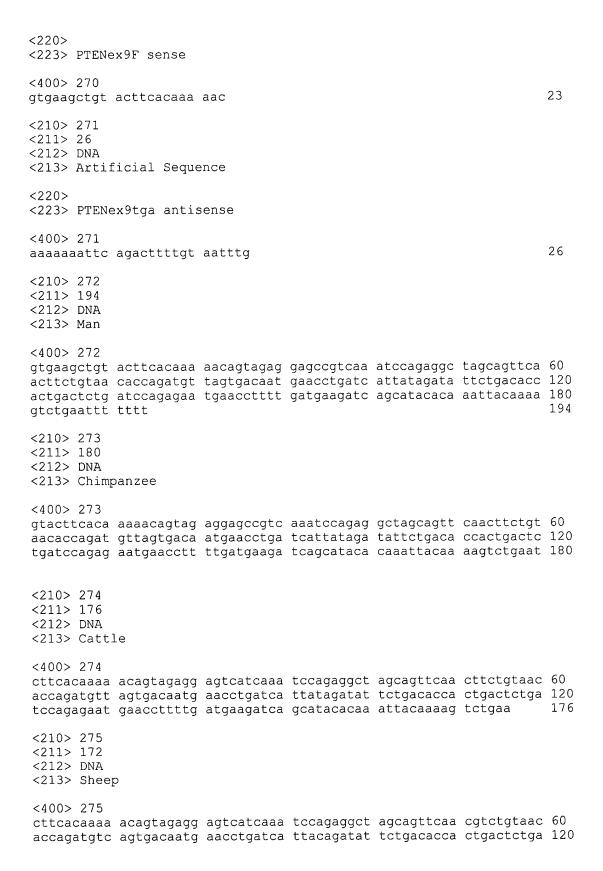


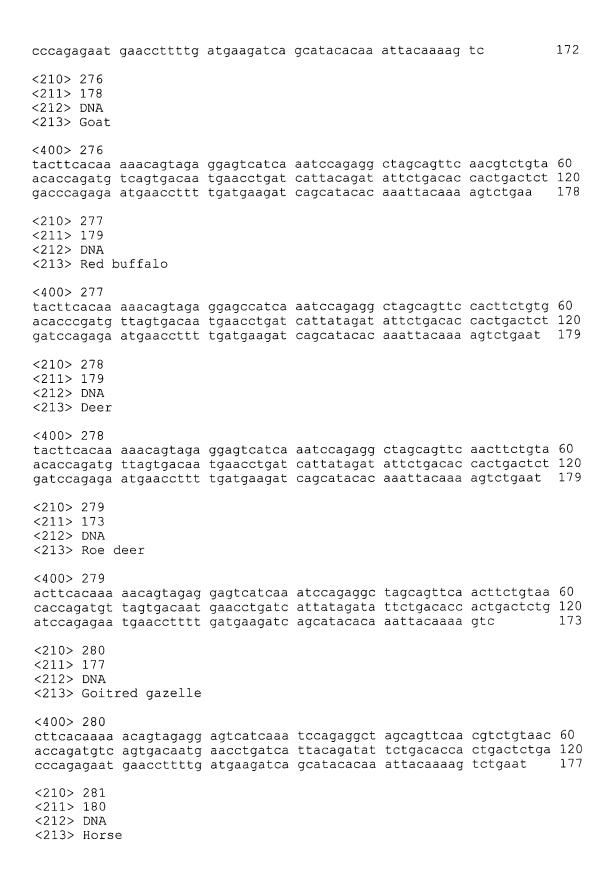
| <210> 250<br><211> 212<br><212> DNA<br><213> Cattl | .e   |                          |                          |            |            |                         |
|--|--|--------------------------|--------------------------|------------|------------|-------------------------|
| tagaaaatgg<br>ataatgacaa                           | ttgggtaaac<br>aagtctatgt<br>ggaatatcta<br>caaccgatac | gatcaagaaa<br>gtactcactt | ttgatagtat<br>taacaaaaaa | ttgcagtata | gagcgtgcag | 120                     |
| <210> 251<br><211> 211<br><212> DNA<br><213> Sheep | )  |                          |                          |            |            |                         |
| agaaaatgga<br>taatgacaag                           | tgggtaaaca<br>agtctatgtg<br>gaatatctag<br>aaccgatact | atcaagaaat<br>tgctcacttt | tgatagtatt<br>aacaaaaaat | tgcagtatag | agcgtgcaga | 120                     |
| <210> 252<br><211> 213<br><212> DNA<br><213> Goat  |  |                          |                          |            |            |                         |
| gtagaaaatg<br>gataatgaca                           | tttgggtaaa<br>gaagtctatg<br>aggaatatct<br>ccaaccgata | tgatcaagaa<br>agtactcact | attgatagta<br>ttaacaaaaa | tttgcagtat | agagcgtgca | 60<br>120<br>180<br>213 |
| <210> 253<br><211> 212<br><212> DNA<br><213> Red B | ouffalo  |                          |                          |            |            |                         |
| gtagaaaatg<br>gataatgaca                           | tttgggtaaa<br>gaagtctatg<br>aggaatatct<br>ccaaccgata | tgatcaagaa<br>agtactcact | attgatagta<br>ttaacaaaaa | tttgcagtat | agagcgtgca | 120                     |
| <210> 254<br><211> 213<br><212> DNA<br><213> Deer  |  |                          |                          |            |            |                         |
| tagaaaatgg<br>ataatgacaa                           | ttgggtaaac<br>aagtctatgt<br>agaatatcta<br>caaccgatac | gatcaagaaa<br>gtactcactt | ttgatagtat<br>taacaaaaaa | ttgcagtata | gagcgtgcag | 120                     |
| <210> 255  |  |                          |                          |            |            |                         |

| <212> DNA<br><213> Roe deer   |                          |                          |            |            |                         |
|---|--------------------------|--------------------------|------------|------------|-------------------------|
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| <210> 256<br><211> 213<br><212> DNA<br><213> Goitred gazelle  |                          |                          |            |            |                         |
| <400> 256 atgtttcact tttgggtaaa gtagaaaatg gaagtctatg gataatgaca aggaatatct aaagacaagg ccaaccgata             | tgatcaagaa<br>agtactcact | attgatagta<br>ttaacaaaaa | tttgcagtat | agagcgtgca | 60<br>120<br>180<br>213 |
| <210> 257<br><211> 213<br><212> DNA<br><213> Horse  |                          |                          |            |            |                         |
| <400> 257<br>atgtttcact tttgggtaaa<br>gtagaaaatg gaagtctatg<br>gataatgaca aagaatatct<br>aaagacaagg ccaaccgata | tgatcaagaa<br>agtactcact | attgatagta<br>ttaacaaaaa | tttgcagtat | agagcgtgca | 120                     |
| <210> 258<br><211> 210<br><212> DNA<br><213> Dog  |                          |                          |            |            |                         |
| <400> 258 tttcactttt gggtaaacac gaaaatggaa gtctatgtga aatgacaagg aatatctagt gacaaggcca accgatactt             | tcaagaaatt<br>actcacttta | gatagtattt               | gcagtataga | acgtgcagat | 120                     |
| <210> 259<br><211> 213<br><212> DNA<br><213> Sun bear   |                          |                          |            |            |                         |
| <400> 259 atgtttcact tttgggtaaa gtagaaaatg gaagtctatg gataatgaca aggaatatct aaagacaagg ccaaccgata             | tgatcaagaa<br>agtactcact | attgatagta<br>ttaacaaaaa | tttgcagtat | agagcgtgca | 120                     |
| <210> 260<br><211> 210<br><212> DNA<br><213> Rabbit   |                          |                          |            |            |                         |



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tgacaaggaa tatttaatcc ttacattaac aaaaaatgat ctagacaaag caaataaaga 180
caaagccaac cgatactttt ctccaaat
<210> 266
<211> 213
<212> DNA
<213> Chicken
<400> 266
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aatggaagte tagttgeaga teaggaaett gatggtattt teagtaeaga gegeteagat 120
aatgacaagg aatatttaat ccttacatta acaaaaaatg atctagacaa agcaaataaa 180
                                                                   213
gacaaagcca accgatactt ttctccaaat tta
<210> 267
<211> 210
<212> DNA
<213> Quail
<400> 267
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atgacaagga atatttaatc cttacattaa caaaaaacga tctagacaaa gcaaataaag 180
acaaagccaa ccgatacttt tctccaaatt
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<210> 268
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<212> DNA
<213> Goose
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gataatgata aggaatattt aatccttaca ttaacaaaaa atgatctaga caaagcaaat 180
aaagacaaag ccaaccgata cttttctcca aat
<210> 269
<211> 235
<212> DNA
<213> Trout
<220>
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aggaaaccaa acgggaggaa cgggggacaa cgacaaggat tacctgatcc tctcactgac 180
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<211> 23
<212> DNA
<213> Artificial Sequence
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tgatccagag aatgaacctt ttgatgaaga tcagcataca caaattacaa aagtctgaat 180
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<212> DNA
<213> Dog
<400> 282
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gacgccagat gttagtgaca atgaacctga tcattataga tattctgaca ccactgactc 120
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<211> 177
<212> DNA
<213> Sun bear
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<210> 284
<211> 177
<212> DNA
<213> Rabbit
<400> 284
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acqccaqatq ttaqtqacaa tgaacctgat cattataqat attctgacac cactgactct 120
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gatccagaga atgaaccttt tgatgaagat cagcatacac aaattacaaa agtctgaat 179
<210> 286
<211> 175
<212> DNA
<213> Antelope
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